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(71) Applicant (for all designated States except US):  
**BOOKHAM TECHNOLOGY PLC** [GB/GB]; 90  
Milton Park, Abingdon, Oxon OX14 4RY (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FRASER, James**  
[GB/GB]; 13 Roundhill Road, Torquay, Devon TQ2

6TQ (GB). **POPE, Stephen** [GB/GB]; 10 Stewart Drive,  
Silverstone, Towcester, Northampton NN12 8TP (GB).  
**MULLANEY, Kevin** [GB/GB]; 5 St. Peters Way, Co-  
genhoe, Northampton NN7 1NU (GB). **GODFRIED,**  
**Herman** [NL/NL]; Van der Boechorststraat 88, NL-1081  
BW Amsterdam (NL). **HOUWMAN, Evert** [NL/NL];  
Krommenhoek 8, NL-5439 NE Linden (NL).

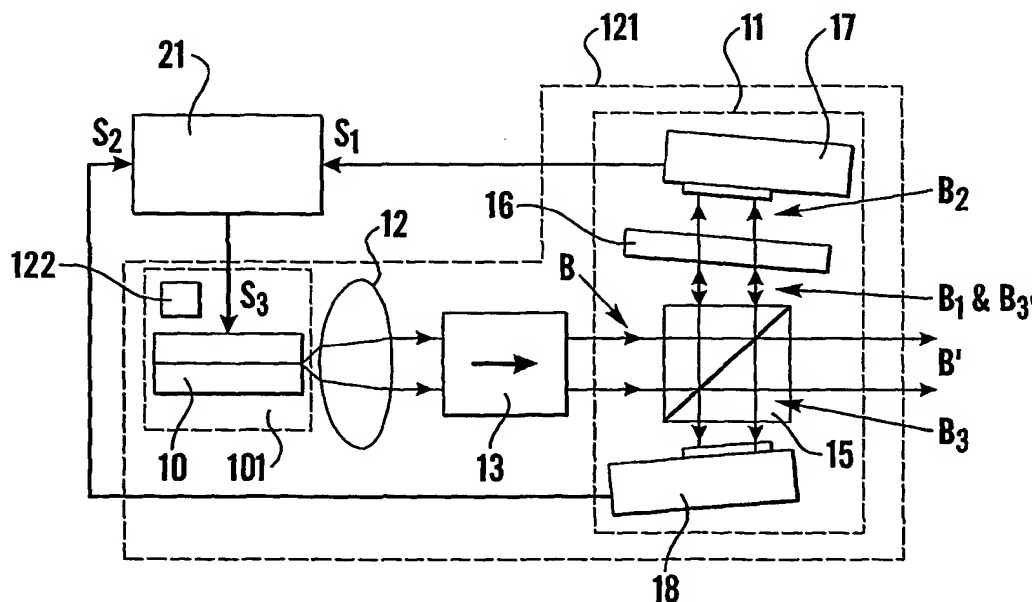
(74) Agents: **CLAYTON-HATHWAY, Anthony, Nicholas et**  
**al.**; Fry Heath & Spence LLP, The Gables, Massetts Road,  
Horley, Surrey RH6 7DQ (GB).

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(54) Title: WAVELENGTH LOCKER COMPRISING A DIAMOND ETALON



(57) Abstract: A wavelength locker for locking the wavelength of a light beam substantially to a predetermined wavelength comprises at least one Fabry-Perot etalon arranged to receive a sample portion of the light beam and to produce at least one output light beam therefrom, the intensity of which is dependent upon the wavelength of the sample light beam, the Fabry-Perot etalon comprising diamond. Preferably the diamond etalon is a single crystal synthetic diamond having highly polished input and output faces without any reflective coatings.

WO 2004/047243 A1